

**Trahan, Amber**

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**From:** Saliby, Lori  
**Sent:** Thursday, February 6, 2020 2:42 PM  
**To:** Trahan, Amber; Trombly, Gary  
**Subject:** FW: Enforcement Confidential  
**Attachments:** Environmental Investigation Report For\_Fairfield DPW\_2-6-2020.pdf

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**From:** Morrison, Charles <Charles.Morrison@ct.gov>  
**Sent:** Thursday, February 6, 2020 2:23 PM  
**To:** Stokes, David <David.Stokes@ct.gov>; Conopask, Tamberlyn <Tamberlyn.Conopask@ct.gov>  
**Cc:** Schroeder, Matthew <Matthew.Schroeder@ct.gov>; Dews, George <George.Dews@ct.gov>; Schiavone, Joseph <Joseph.Schiavone@ct.gov>; Isner, Robert <Robert.Isner@ct.gov>; Patel, Nisha <Nisha.Patel@ct.gov>; Bolton, Yvonne <Yvonne.Bolton@ct.gov>; Zack, Peter <Peter.Zack@ct.gov>; Duva, Diane <Diane.Duva@ct.gov>; Saliby, Lori <Lori.Saliby@ct.gov>; Green, Aaron <Aaron.Green@ct.gov>  
**Subject:** Enforcement Confidential

All,

(b) (7)(A)

Chuck

**Charles S. Morrison**, Environmental Analyst II  
Technical Support Unit  
Emergency Response and Spill Prevention Division  
Bureau of Materials Management and Compliance Assurance  
Connecticut Department of Energy and Environmental Protection  
79 Elm Street, Hartford, CT 06106-5127  
P: 860.424.3491 | F: 860.424.4061 | E: [charles.morrison@ct.gov](mailto:charles.morrison@ct.gov)



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Ensuring a clean, affordable, reliable, and sustainable energy supply.*



**Environmental Investigation  
Report For:**

**Fairfield DPW  
900 Richard White Way  
Fairfield, CT**

**February 6, 2020**



**Prepared By:**  
Aaron Green, Supervising Environmental Analyst  
Charles S. Morrison, Environmental Analyst II  
Site Assessment & Haz Mat Support Unit  
Emergency Response and Spill Prevention Division  
Bureau of Materials Management and Compliance Assurance  
Connecticut Department of Energy and Environmental Protection

**Prepared For:**  
David Stokes, Environmental Analyst II  
Field Compliance Unit  
Engineering & Enforcement Division  
Bureau of Materials Management and Compliance Assurance  
Connecticut Department of Energy and Environmental Protection

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## **Executive Summary**

The Connecticut Department of Energy and Environmental Protection (CT DEEP) Site Assessment & Haz Mat Support (SAHS) Unit conducted an environmental investigation at The Fairfield Department of Public Works (DPW) Reclamation Yard in the town of Fairfield, Connecticut. The goals of the investigation were to 1) assess soil, sediment and debris for Polychlorinated Biphenyls (PCBs), 2) collect soil cores to transfer to other DEEP staff, and 3) create a detailed aerial image/map of the site for plotting the sample locations.

Sixteen soil samples were collected from 10 excavations, one sediment sample was collected from a manually dug hole, 27 debris samples were collected from nine of the excavations and a trench, and 14 soil cores were collected from three Geoprobe borings. Additionally, an unmanned aerial vehicle (UAV/drone) was used to create an accurate aerial image/map.

Two of the 16 soil samples had detectable PCB concentrations (580 ug/Kg and 16,000 ug/Kg). The sediment sample had no detectable PCBs. Sixteen of the 27 debris samples had detectable PCBs, ranging from trace to 230 ug/g.

## **Background**

On November 5, 2019 the DEEP SAHS Unit was asked to assist the DEEP Engineering and Enforcement Division (EED) in assessing environmental conditions at the site. A work plan was developed with input from EED staff and DEEP PCB Program staff.

## **Physical Setting**

The site is located at 900 Richard White Way in Fairfield, CT near Long Island Sound (Figure 1). The land is a filled area bordered by tidal waterways (to the south and west) and by a bus facility and bulk materials handling yard (to the north and east). There are no on-site utilities within the area of investigation. The site is a fill pile; the main "body" measuring approximately 500' by 500' and the eastern "tail" measuring approximately 450' by 100'. Both features have relatively flat tops and sloping sides. Geologic mapping by the US Geological Survey (USGS) describes the material as artificial fill. The bedrock is uncharacterized. The groundwater classification is GB, indicating that it is presumed not suitable for direct human consumption without treatment. The surface water classification is SA, indicating that, among other things, it is a marine fish, shellfish and wildlife habitat.

## Methods

The field work was conducted between November 20 and November 26, 2019.

### Soil (fill) Sampling

A State environmental contractor (ACV Enviro) was retained to dig excavations (10 test pits and one trench). Between the digging of 9 of the excavations, they cleaned the excavator bucket with a scrub brush and rinsed it with water. The rinse water was allowed to flow into the excavated soil piles which were used to backfill the excavations. ACV Enviro detected organic compounds during air monitoring at RWB-7. After digging that test pit, the excavator bucket was decontaminated with *Simple Green* cleaner, a scrub brush and rinsed with water. The rinse water and brush were removed from the site.

As fill material was being removed from the excavations it was evaluated for the potential for having PCB impact. Changes in texture and color were evaluated and decisions were made about which soil (fill) samples to collect. Sixteen samples were collected from 10 excavations (RWB-1 through RWB-10) and placed in 8 oz soil jars which were labeled and chain-of-custody sealed. These samples were submitted under chain-of-custody procedures to Phoenix Environmental Laboratories in Manchester, CT and analyzed for PCBs by EPA Method 8280.

### Sediment Sampling

One sediment sample was collected by DEEP staff from a retention area just south of the main "body" of the fill, adjacent to Pine Creek. This sample was collected by hand using a new disposable scoopula and placed in 8 oz soil jars which was labeled and chain-of-custody sealed. The sample was submitted under chain-of-custody procedures to Phoenix Environmental Laboratories in Manchester, CT and analyzed for PCBs by EPA Method 8280.

### Debris Sampling

As fill material was being removed from the excavations it was evaluated for the potential for PCB-containing debris. Material such as unpainted wood, unpainted concrete and metal were encountered but not collected. Materials considered for collection included electrical components, plastic, rubber, adhesive, and paint. Twenty-seven debris samples from nine excavations and one trench (RWB-1 through RWB-5, RWB-7 through RWB-10, Trench) were collected and placed in zip-lock bags which were labeled, chain-of-custody sealed and photographed. The bags were transferred to DEEP PCB Program staff under chain-of-custody procedures. These sample were submitted to The Connecticut Agricultural

Experiment Station (CAES) in New Haven, CT where they were photographed again and analyzed for PCBs by EPA Methods 3540C, 3620 and 8082A.

### Soil (fill) Coring

In preparation for coring, all probing rods and accessories were decontaminated prior to field activities. Each metal sampling tube, cutting shoe and drive end were washed with *Liquinox* soap and double rinsed. A probing equipment blank was then collected to ensure properly decontaminated equipment. The equipment blank was collected by running reverse osmosis de-ionized water over one of the cutting shoes and collecting the water into a Nitric Acid preserved 250 mL plastic container. The equipment blank was submitted to Phoenix Environmental Laboratories of Manchester, CT for RCRA 8 metals analysis by EPA Method 6010. A cutting shoe was chosen for the collection of the equipment blank because it is the only piece of tooling that comes into direct physical contact with the soil cores.

Continuous cores were collected at three locations with a truck-mounted, hydraulically operated *Geoprobe* model 5410 soil boring machine. The locations (RWT-1, RWT-2 and RWT-3) were selected by DEEP EED staff. Four cores were collected from RWT-1, five cores from RWT-2 and five cores from RWT-3. Each core was collected by advancing a four feet long by 2.25" diameter, stainless steel *macro-core* tube containing a new plastic liner. They were driven to a depth of 20' or to machine refusal, if that was encountered shallower than 20'. The liners were recovered, labeled, cut open, photographed and transferred to DEEP EED staff.

### Sample Locations

The locations of the test pits, trench, sediment sample and Geoprobe borings were located with a Global Positioning System (GPS).

### UAV/drone Mapping

UAV mapping was conducted to create an accurate image/map on which to plot the sample locations. Prior to and during the flights, all Federal Aviation Administration (FAA) required certifications were acquired and all safety procedures were followed. Seven white tiles, used as ground control points, were laid on the site and GPS-located for geo-referencing the resulting image/map. A *DJI Inspire 1* UAV was launched and flew two pre-programmed flight missions. From 157 individual images an accurate composite aerial image/map was produced with the Environmental Systems Research Institute (ESRI) software "Drone2Map".

## Results

The composite drone image/map is presented twice; with all the sampling locations shown (Figure 2) and with none of them shown (Figure 3).

Two of the 16 soil samples from the excavations had detectable PCB concentrations (580 ug/Kg and 16,000 ug/Kg). They were collected from RWB-3 at 3' below the ground surface, and from RWB-9 at 14' below the ground surface, respectively (Table 1, Appendix A).

The sediment sample had no detectable PCBs (Table 1, Appendix A).

Sixteen of the 27 debris samples from the excavations had detectable PCBs, ranging from trace to 230 ug/g. They were collected from the excavations and from the trench at depths ranging from 0' (at the ground surface) to 20' below the ground surface (Table 2, Appendix B). The ground surface samples were collected near the excavations, as indicated on Table 2.

The debris was a variety of materials including painted brick, painted concrete, plastic, coated wire, rubber-like substances and other unidentified man-made materials. Debris descriptions are in Table 3. Photographs by DEEP are in Appendix C and photographs by CAES are in Appendix D.

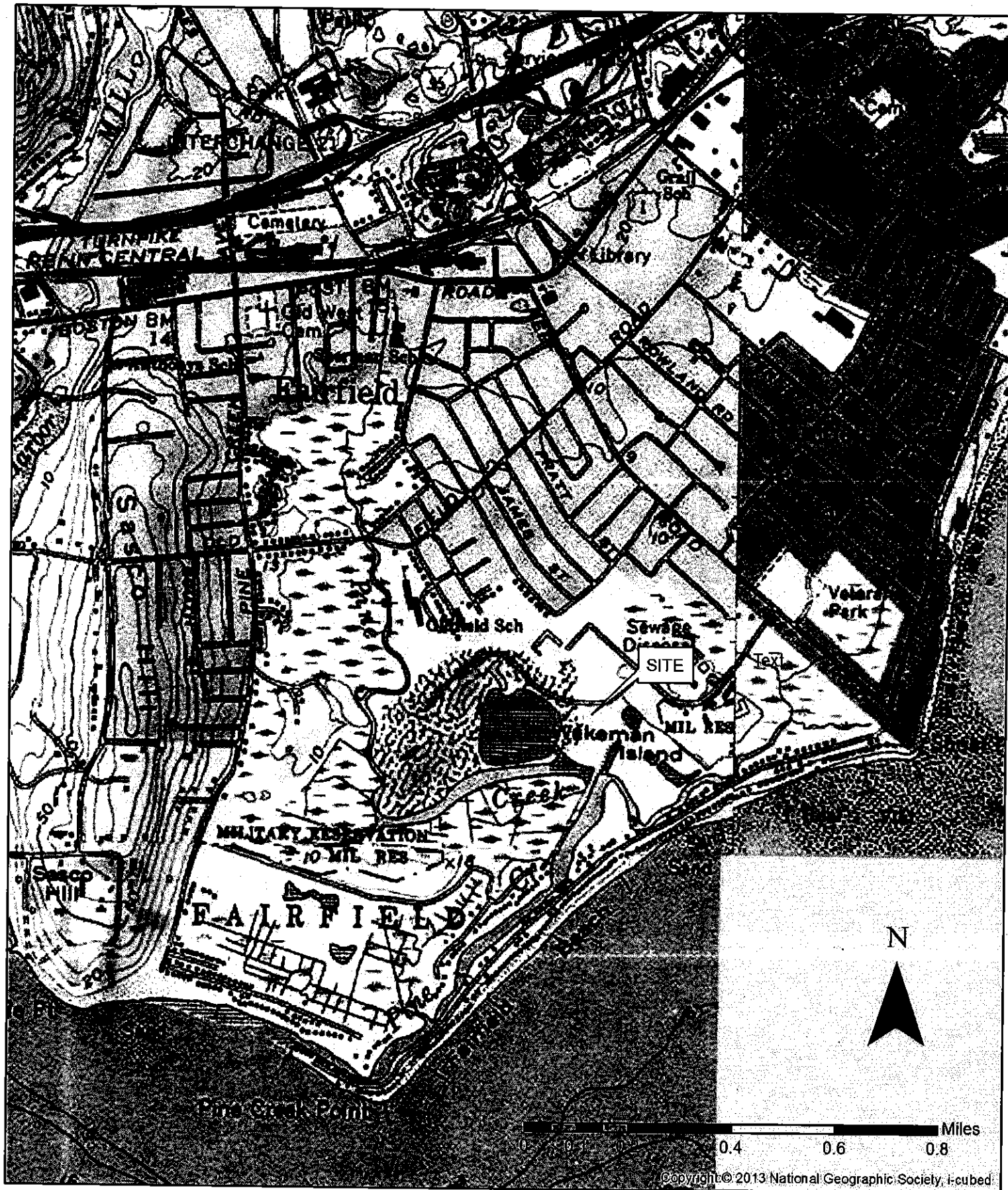
The SAHS Unit did not submit the soil cores for analysis, so no analytical results for them are presented here. Soil boring data are presented in Table 4 and soil core photographs are in Appendix E.

The *Geoprobe* equipment blank had no detections for RCRA 8 metals (Table 5, Appendix A), providing confirmation that the decontamination procedure for the *Geoprobe* tooling was effective. This blank sample was described by Phoenix Lab as "Ground Water" and "GW" because Phoenix doesn't have a code for rinsate blank water.



## FIGURES

# FIGURE 1



## Site Location Map

FIGURE 2

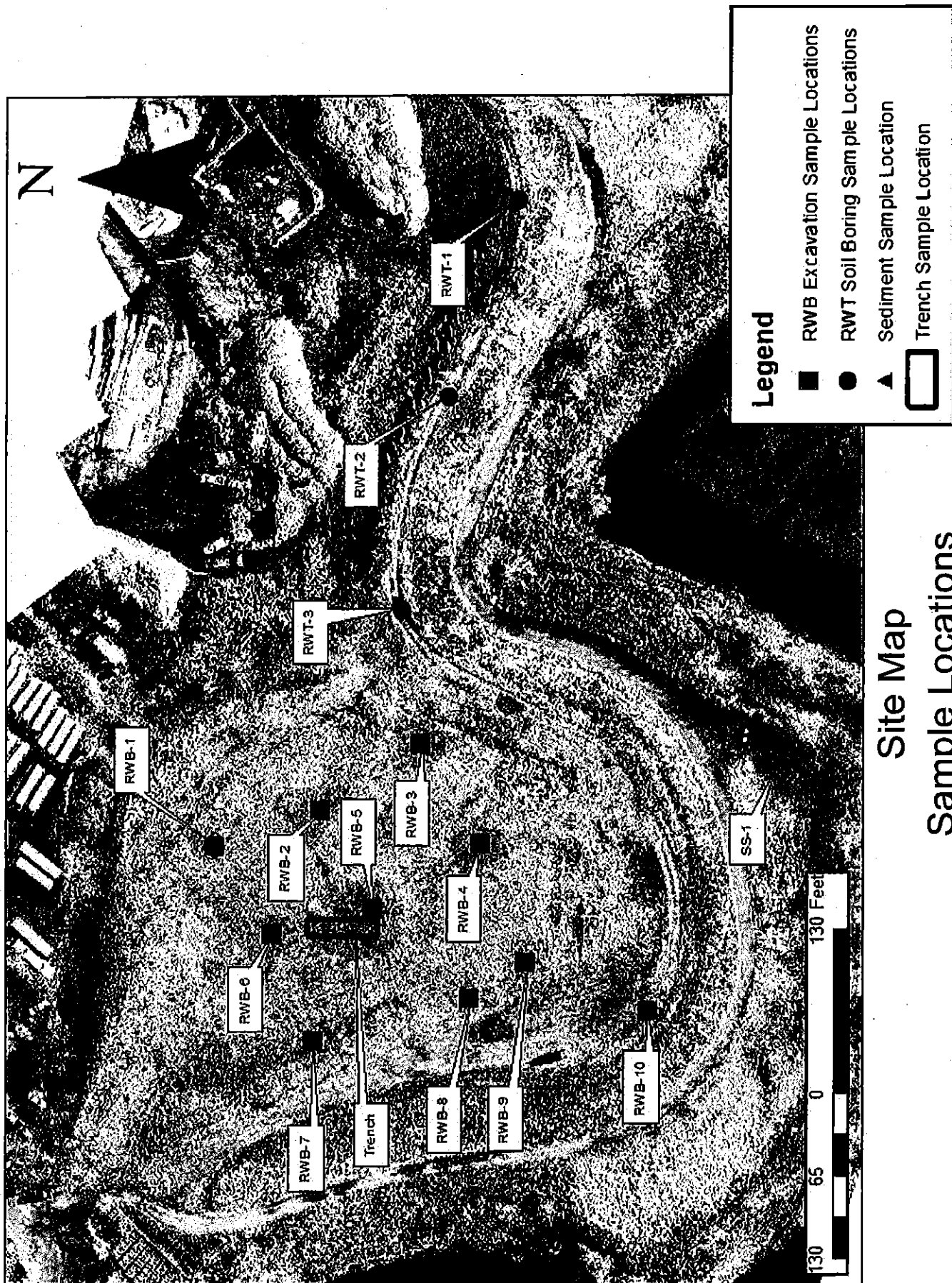
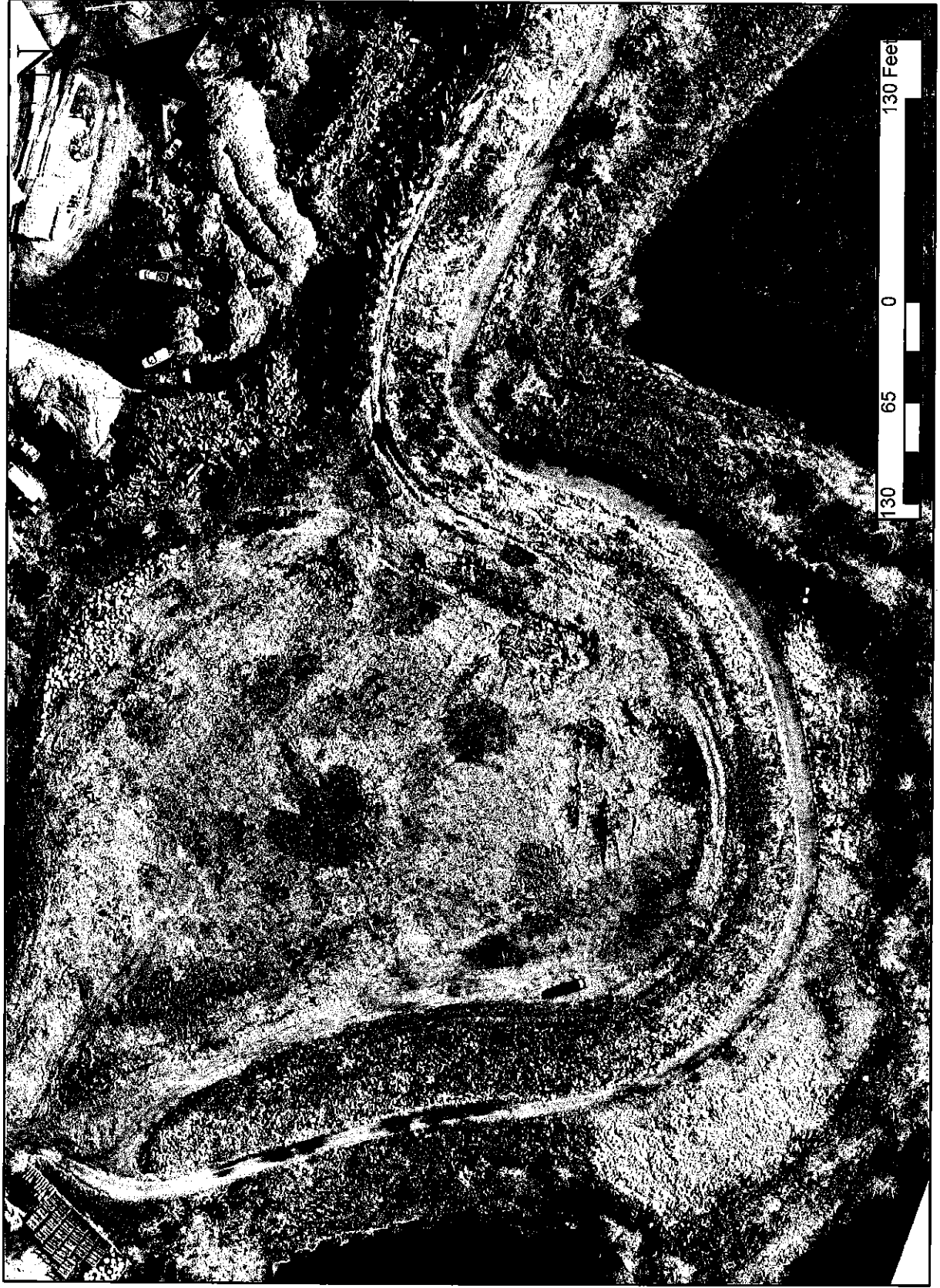


FIGURE 3



Aerial Image

## TABLES

Table 1  
Soil (Fill) and Sediment Sample Results  
Fairfield Department of Public Works, 900 Richard White Way, Fairfield CT

Location ID	RWB-1	RWB-2	RWB-3	RWB-4	RWB-5	RWB-6	RWB-7		RWB-8		RWB-9		RWB-10				SS-1
Sample Depth	20'	20'	3'	12'	10'	6'	12'	20'	12'	20'	12'	14'	10'	12'	14'	20'	0.25'
Parameters:																	
PCB-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254	ND	ND	<b>580</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>16,000*</b>	ND	ND	ND	ND	ND
PCB-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sample Number	CM-1656	CM-1657	CM-1658	CM-1659	CM-1660	CM-1661	CM-1662a	CM-1662b	CM-1663	CM-1664	CM-1665	CM-1665	CM-1667	CM-1668	CM-1669	CM-1670	CM-1662
Time Sampled	1030	1140	1215	1429	0905	1044	1415	1410	0900	0920	1025	1040	1155	1200	1211	1225	1120
Date Sampled	11/20/2019	11/20/2019	11/20/2019	11/20/2019	11/21/2019	11/21/2019	11/21/2019	11/21/2019	11/22/2019	11/22/2019	11/22/2019	11/22/2019	11/22/2019	11/22/2019	11/22/2019	11/21/2019	11/21/2019

**Notes:**

ND - Not Detected  
All detections are bold  
All results are in ug/kg  
RWB-1 through RWB-10 are test pits  
SS-1 is a sediment sample

\* The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1254 and 1260. The PCB is quantitated as a timed group and is reported as the Aroclor 1260

Table 2 (page 1 of 2)  
Debris Sample Results  
Fairfield Department of Public Works, 900 Richard White Way, Fairfield CT

Location ID	RWB-1				RWB-2		RWB-3		RWB-4			RWB-5	RWB-7	RWB-8
Sample Depth	12.5'	18.5'	20'	20'	0' (a)	0' (b)	0' (c)	5'	17'	14'	9'	4'		
Parameters:														
PCB-1016		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
PCB-1221		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
PCB-1232		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
PCB-1242		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
PCB-1248		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
PCB-1254		ND	2.8	ND	2	ND	0.13	1.2	3.2	0.22	2.8	ND		
PCB-1260		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
PCB-1262		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
PCB-1268		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Photo ID (DEEP)	DEEP 900	DEEP 901	DEEP 902	DEEP 903	DEEP 904	DEEP 905	DEEP 908	DEEP 906	DEEP 907	DEEP 909	DEEP 910	DEEP 911		
Photo ID (CAES)	CAES 900	CAES 901	CAES 902	CAES 903	CAES 904	CAES 905	CAES 908	CAES 906	CAES 907	CAES 909	CAES 910	CAES 911		
Sample Number	900PCB-19	901PCB-19	902PCB-19	903PCB-19	904PCB-19	905PCB-19	908PCB-19	906PCB-19	907PCB-19	909PCB-19	910PCB-19	911PCB-19		
Time Sampled	0930	1010	1020	1020	1112	1310	1120	1426	1502	0930	1400	0910		
Date Sampled	11/20/2019			11/20/2019			11/20/2019			11/21/2019			11/22/2019	

Notes:

ND - Not Detected

All detections are bold

All results are in ug/g

RWB-1 through RWB-10 are test pits

There are no debris samples from RWB-6

(a) - Sample collected at the ground surface, 10' south of RWB-2

(b) - Sample collected at the ground surface, 20' south of RWB-3

(c) - Sample collected at the ground surface, 20' west of RWB-4

\* - Missing photo

DEEP - Connecticut Department of Energy and Environmental Protection

CAES - Connecticut Agricultural Experiment Station

Table 2 (page 2 of 2)

## Debris Sample Results

Fairfield Department of Public Works, 900 Richard White Way, Fairfield CT

Location ID	RWB-9										RWB-10				Trench	
	4'	4'	6'	12'	16'	17'	19'	20'	4'	5'	8'	12'	14'	12'	12'	12'
Sample Depth Parameters:	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254	5.1	ND	ND	0.71	ND	32	ND	230	5.8	ND	5.2	0.26	3.4	ND	ND	ND
PCB-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Photo ID (DEEP)	DEEP 912	DEEP 913	DEEP 914	DEEP 915	DEEP 916	DEEP 917	DEEP 918	*	DEEP 920	DEEP 921	DEEP 922	DEEP 923	*	*	*	*
Photo ID (CAES)	CAES 912	CAES 913	CAES 914	CAES 915	CAES 916	CAES 917	CAES 918	CAES 919	CAES 920	CAES 921	CAES 922	CAES 923	CAES 924	CAES 925	CAES 926	CAES 926
Sample Number	912PCB-19	913PCB-19	914PCB-19	915PCB-19	916PCB-19	917PCB-19	918PCB-19	919PCB-19	920PCB-19	921PCB-19	922PCB-19	923PCB-19	924PCB-19	925PCB-19	926PCB-19	926PCB-19
Time Sampled	1015	1015	1020	1030	1047	1053	1104	1107	1154	1155	1156	1208	1215	1355	1355	1355
Date Sampled	11/22/2019										11/22/2019				11/22/2019	

## Notes:

ND - Not Detected

All detections are bold

All results are in ug/g

RWB-1 through RWB-10 are test pits

(a) - Sample collected at the ground surface, 10' south of RWB-2

(b) - Sample collected at the ground surface, 20' south of RWB-3

(c) - Sample collected at the ground surface, 20' west of RWB-4

\* - Missing photo

DEEP - Connecticut Department of Energy and Environmental Protection

CAES - Connecticut Agricultural Experiment Station



**Table 3**  
**Debris Descriptions**  
**Fairfield Department of Public Works, 900 Richard White Way, Fairfield CT**

Location ID	Sample Depth	Sample Description	Photo ID (DEEP)	Photo ID (CAES)	Sample Number	Time Sampled	Date Sampled
RWB-1	12.5'	~2.5 ft of plastic coated wire	DEEP 900	CAES 900	900PCB-19	0930	11/20/2019
	18.5'	~1 ft x 1" of white plastic piece	DEEP 901	CAES 901	901PCB-19	1010	
	20'	~8" piece of (possible) caulk	DEEP 902	CAES 902	902PCB-19	1020	
	20'	~2" x 2" piece of cloth	DEEP 903	CAES 903	903PCB-19	1020	
RWB-2	0' (a)	~10" x 4" piece of white plastic	DEEP 904	CAES 904	904PCB-19	1112	11/20/2019
RWB-3	0' (b)	~3" x 5" painted brick	DEEP 905	CAES 905	905PCB-19	1310	11/20/2019
RWB-4	0' (c)	~5" x 1" piece of rubber with wire	DEEP 908	CAES 908	908PCB-19	1120	11/20/2019
	5'	~1 ft of plastic coated wire	DEEP 906	CAES 906	906PCB-19	1426	
	17'	~4" x 8" piece of plastic	DEEP 907	CAES 907	907PCB-19	1502	
	14'	~2 ft of rubber with wire	DEEP 909	CAES 909	909PCB-19	0930	
RWB-5	9'	~10" piece of rubber	DEEP 910	CAES 910	910PCB-19	1400	11/21/2019
RWB-6	4'	~2 ft of red plastic coated wire	DEEP 911	CAES 911	911PCB-19	0910	11/22/2019
RWB-9	4'	~1 ft x 1" of (possible) weather stripping	DEEP 912	CAES 912	912PCB-19	1015	11/22/2019
	4'	2 pieces of plastic coated wire	DEEP 913	CAES 913	913PCB-19	1015	
	6'	~3" painted rock/brick	DEEP 914	CAES 914	914PCB-19	1020	
	12'	~5" painted brick	DEEP 915	CAES 915	915PCB-19	1030	
	16'	3 pieces of rubber coated copper wire	DEEP 916	CAES 916	916PCB-19	1047	
	17'	3' of (possible) rubber gasket	DEEP 917	CAES 917	917PCB-19	1053	
	19'	~1 ft piece of (possible) rubber gasket	DEEP 918	CAES 918	918PCB-19	1104	
	20'	~1 ft of plastic coated wire	*	CAES 919	919PCB-19	1107	
	4'	~6" piece of painted concrete	DEEP 920	CAES 920	920PCB-19	1154	
	5'	~6" piece of plastic	DEEP 921	CAES 921	921PCB-19	1155	
RWB-10	8'	~8" piece of rubber	DEEP 922	CAES 922	922PCB-19	1156	11/22/2019
	12'	~6" wire cord with white plastic prong	DEEP 923	CAES 923	923PCB-19	1208	
	14'	~4" piece of white rubber	*	CAES 924	924PCB-19	1215	
	12'	~6" x 2" piece of (possible) rubber gasket	*	CAES 925	925PCB-19	1355	
Trench	12'	~6 x 4" piece of plastic	*	CAES 926	926PCB-19	1355	11/22/2019

Notes: No debris was collected from RWB-6. (a) - Sample collected at the ground surface, 10' south of RWB-2. (b) - Sample collected at the ground surface, 20' south of RWB-3. (c) - Sample collected at the ground surface, 20' west of RWB-4. \* - Missing photo. DEEP - Connecticut Department of Energy and Environmental Protection. CAES - Connecticut Agricultural Experiment Station.

**Table 4**  
**Soil Boring Data**  
**Fairfield Department of Public Works, 900 Richard White Way, Fairfield CT**

Location ID	Depth Interval (fbgs)	Soil Recovery (ft)	Time Collected	Date Collected	DEEP Photo ID
RWT-1	0-4	3.0	1023	11/20/2019	RWT-1, 0'-4'
	4-8	2.7	1036		RWT-1, 4'-8'
	8-12	2.5	1051		RWT-1, 8'-12'
	12-13	1.0	1105		RWT-1, 12'-13'
RWT-2	0-4	2.75	1150	11/20/2019	RWT-2, 0'-4'
	4-8	3.1	1200		RWT-2, 4'-8'
	8-12	2.5	1212		RWT-2, 8'-12'
	12-16	2.5	1227		RWT-2, 12'-16'
	16-20	2.6	1236		RWT-2, 16'-20'
RWT-3	0-4	3.2	0930	11/21/2021	RWT-3, 0'-4'
	4-8	1.6	0940		RWT-3, 4'-8'
	8-12	2.5	0951		RWT-3, 8'-12'
	12-16	1.5	1006		RWT-3, 12'-16'
	16-20	3.0	1019		RWT-3, 16'-20'

Notes:

fbgs - feet below ground surface

ft - feet

DEEP - Connecticut Department of Energy and Environmental Protection

**Table 5**

**Geoprobe Equipment Blank**

**Fairfield Department of Public Works, 900 Richard White Way, Fairfield CT**

Location ID	Equipment Blank
Parameters:	
Silver	<0.001
Arsenic	<0.004
Barium	<0.002
Cadmium	<0.001
Chromium	<0.001
Mercury	<0.0002
Lead	<0.002
Selenium	<0.010
Sample Number	CM-1671-EB
Time Sampled	0910
Date Sampled	11/21/2019

**Note:**

All results are in mg/L

## **APPENDIX A**



Wednesday, February 05, 2020

Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
SDG ID: GCE69053  
Sample ID#s: CE69053 - CE69070

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.


This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

  
Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

February 05, 2020

SDG I.D.: GCE69053

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Version 2: Revised Client Id



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

February 05, 2020

SDG I.D.: GCE69053

Project ID: TOWN OF FAIRFIELD DPW PROPERTY

Client Id	Lab Id	Matrix
CM-1656-RWB-1 @ 20'	CE69053	SOIL
CM-1657-RWB-2 @ 20'	CE69054	SOIL
CM-1658-RWB-3 @ 3'	CE69055	SOIL
CM-1659-RWB-4 @ 12'	CE69056	SOIL
CM-1660-RWB-5 @ 10'	CE69057	SOIL
CM-1661-RWB-6 @ 6'	CE69058	SOIL
CM-1662-SS1 @ 3"	CE69059	SOIL
CM-1662B-RWB-7 @ 12'	CE69060	SOIL
CM-1662A-RWB-7 @ 20'	CE69061	SOIL
CM-1663-RWB-8 @ 12'	CE69062	SOIL
CM-1664-RWB-8 @ 20'	CE69063	SOIL
CM-1665-RWB-9 @ 12'	CE69064	SOIL
CM-1666-RWB-9 @ 14'	CE69065	SOIL
CM-1667-RWB-10 @ 10'	CE69066	SOIL
CM-1668-RWB-10 @ 12'	CE69067	SOIL
CM-1669-RWB-10 @ 14'	CE69068	SOIL
CM-1670-RWB-10 @ 20'	CE69069	SOIL
CM-1671-EB	CE69070	GROUND WATER





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## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

11/20/19 10:30  
11/27/19 14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69053

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1656-RWB-1 @ 20'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	72		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	460	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1221	ND	460	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1232	ND	460	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1242	ND	460	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1248	ND	460	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1254	ND	460	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1260	ND	460	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1262	ND	460	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1268	ND	460	ug/Kg	10	12/04/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	89	%	10	12/04/19	SC	30 - 150 %
% DCBP (Confirmation)	80	%	10	12/04/19	SC	30 - 150 %
% TCMX	95	%	10	12/04/19	SC	30 - 150 %
% TCMX (Confirmation)	96	%	10	12/04/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY

Phoenix I.D.: CE69053

Client ID: CM-1656-RWB-1 @ 20'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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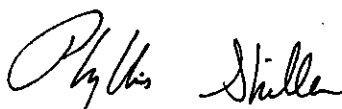
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

11/20/19 11:40  
11/27/19 14:00

## Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69054

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1657-RWB-2 @ 20'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	89		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	370	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1221	ND	370	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1232	ND	370	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1242	ND	370	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1248	ND	370	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1254	ND	370	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1260	ND	370	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1262	ND	370	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1268	ND	370	ug/Kg	10	12/04/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	78		%	10	12/04/19	SC	30 - 150 %
% DCBP (Confirmation)	67		%	10	12/04/19	SC	30 - 150 %
% TCMX	82		%	10	12/04/19	SC	30 - 150 %
% TCMX (Confirmation)	82		%	10	12/04/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY

Phoenix I.D.: CE69054

Client ID: CM-1657-RWB-2 @ 20'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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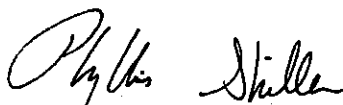
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

11/20/19 12:15  
11/27/19 14:00

## Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69055

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1658-RWB-3 @ 3'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	82		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	400	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1221	ND	400	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1232	ND	400	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1242	ND	400	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1248	ND	400	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1254	580	400	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1260	ND	400	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1262	ND	400	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1268	ND	400	ug/Kg	10	12/03/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	89		%	10	12/03/19	SC	30 - 150 %
% DCBP (Confirmation)	86		%	10	12/03/19	SC	30 - 150 %
% TCMX	88		%	10	12/03/19	SC	30 - 150 %
% TCMX (Confirmation)	94		%	10	12/03/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY

Client ID: CM-1658-RWB-3 @ 3'

Phoenix I.D.: CE69055

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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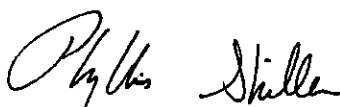
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

11/20/19 14:29  
11/27/19 14:00

## Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69056

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1659-RWB-4 @ 12'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	82		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1221	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1232	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1242	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1248	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1254	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1260	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1262	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1268	ND	400	ug/Kg	10	12/04/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	88		%	10	12/04/19	SC	30 - 150 %
% DCBP (Confirmation)	84		%	10	12/04/19	SC	30 - 150 %
% TCMX	86		%	10	12/04/19	SC	30 - 150 %
% TCMX (Confirmation)	83		%	10	12/04/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1659-RWB-4 @ 12'

Phoenix I.D.: CE69056

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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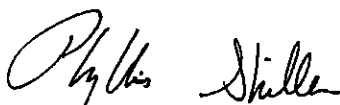
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager





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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

### Time

11/21/19 9:05  
11/27/19 14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69057

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1660-RWB-5 @ 10'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	75		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	440	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1221	ND	440	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1232	ND	440	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1242	ND	440	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1248	ND	440	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1254	ND	440	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1260	ND	440	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1262	ND	440	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1268	ND	440	ug/Kg	10	12/03/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	63		%	10	12/03/19	SC	30 - 150 %
% DCBP (Confirmation)	59		%	10	12/03/19	SC	30 - 150 %
% TCMX	75		%	10	12/03/19	SC	30 - 150 %
% TCMX (Confirmation)	74		%	10	12/03/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1660-RWB-5 @ 10'

Phoenix I.D.: CE69057

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



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## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

11/21/19 10:44  
11/27/19 14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69058

Project ID: TOWN OF FAIRFIELD DPW-PROPERTY  
Client ID: CM-1661-RWB-6 @ 6'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1221	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1232	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1242	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1248	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1254	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1260	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1262	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1268	ND	370	ug/Kg	10	12/03/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	77		%	10	12/03/19	SC	30 - 150 %
% DCBP (Confirmation)	73		%	10	12/03/19	SC	30 - 150 %
% TCMX	75		%	10	12/03/19	SC	30 - 150 %
% TCMX (Confirmation)	74		%	10	12/03/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1661-RWB-6 @ 6'

Phoenix I.D.: CE69058

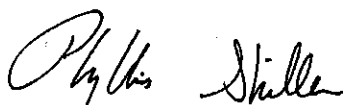
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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February 05, 2020

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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
11/21/19	11:20
11/27/19	14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69059

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1662-SS1 @ 3"

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	82		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	410	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1221	ND	410	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1232	ND	410	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1242	ND	410	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1248	ND	410	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1254	ND	410	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1260	ND	410	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1262	ND	410	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1268	ND	410	ug/Kg	10	12/04/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	93		%	10	12/04/19	SC	30 - 150 %
% DCBP (Confirmation)	88		%	10	12/04/19	SC	30 - 150 %
% TCMX	95		%	10	12/04/19	SC	30 - 150 %
% TCMX (Confirmation)	92		%	10	12/04/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1662-SS1 @ 3"

Phoenix I.D.: CE69059

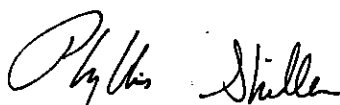
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

11/21/19      14:10  
11/27/19      14:00

## Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69060

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1662B-RWB-7 @ 12'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	79		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	420	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1221	ND	420	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1232	ND	420	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1242	ND	420	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1248	ND	420	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1254	ND	420	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1260	ND	420	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1262	ND	420	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1268	ND	420	ug/Kg	10	12/04/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	82	%	10	12/04/19	SC	30 - 150 %
% DCBP (Confirmation)	80	%	10	12/04/19	SC	30 - 150 %
% TCMX	89	%	10	12/04/19	SC	30 - 150 %
% TCMX (Confirmation)	84	%	10	12/04/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1662B-RWB-7 @ 12'

Phoenix I.D.: CE69060

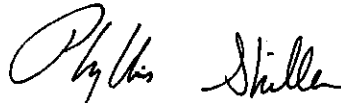
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
11/21/19	14:15
11/27/19	14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69061

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1662A-RWB-7 @ 20'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	86		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1221	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1232	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1242	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1248	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1254	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1260	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1262	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1268	ND	390	ug/Kg	10	12/03/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	109		%	10	12/03/19	SC	30 - 150 %
% DCBP (Confirmation)	86		%	10	12/03/19	SC	30 - 150 %
% TCMX	100		%	10	12/03/19	SC	30 - 150 %
% TCMX (Confirmation)	99		%	10	12/03/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1662A-RWB-7 @ 20'

Phoenix I.D.: CE69061

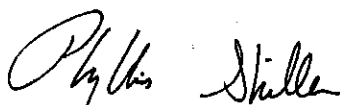
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

11/22/19 9:00  
11/27/19 14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69062

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1663-RWB-8 @ 12'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	82		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1221	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1232	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1242	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1248	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1254	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1260	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1262	ND	400	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1268	ND	400	ug/Kg	10	12/04/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	88	%	10	12/04/19	SC	30 - 150 %
% DCBP (Confirmation)	82	%	10	12/04/19	SC	30 - 150 %
% TCMX	88	%	10	12/04/19	SC	30 - 150 %
% TCMX (Confirmation)	84	%	10	12/04/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1663-RWB-8 @ 12'

Phoenix I.D.: CE69062

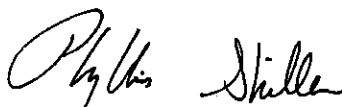
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

11/22/19

### Time

9:20

11/27/19

14:00

## Laboratory Data

SDG ID: GCE69053

Phoenix ID: CE69063

Project ID: TOWN OF FAIRFIELD DPW PROPERTY

Client ID: CM-1664-RWB-8 @ 20'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	85		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	390	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1221	ND	390	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1232	ND	390	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1242	ND	390	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1248	ND	390	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1254	ND	390	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1260	ND	390	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1262	ND	390	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1268	ND	390	ug/Kg	10	12/04/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	90		%	10	12/04/19	SC	30 - 150 %
% DCBP (Confirmation)	86		%	10	12/04/19	SC	30 - 150 %
% TCMX	95		%	10	12/04/19	SC	30 - 150 %
% TCMX (Confirmation)	89		%	10	12/04/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1664-RWB-8 @ 20'

Phoenix I.D.: CE69063

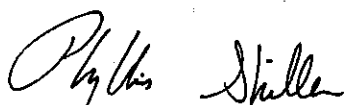
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
11/22/19	10:25
11/27/19	14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69064

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1665-RWB-9 @ 12'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	380	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1221	ND	380	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1232	ND	380	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1242	ND	380	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1248	ND	380	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1254	ND	380	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1260	ND	380	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1262	ND	380	ug/Kg	10	12/04/19	SC	SW8082A
PCB-1268	ND	380	ug/Kg	10	12/04/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	79	%	10	12/04/19	SC	30 - 150 %
% DCBP (Confirmation)	78	%	10	12/04/19	SC	30 - 150 %
% TCMX	83	%	10	12/04/19	SC	30 - 150 %
% TCMX (Confirmation)	82	%	10	12/04/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1665-RWB-9 @ 12'

Phoenix I.D.: CE69064

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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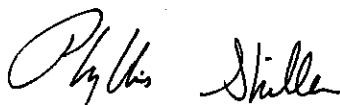
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager





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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
11/22/19	10:40
11/27/19	14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69065

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1666-RWB-9 @ 14'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	80		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	2100	ug/Kg	50	12/04/19	SC	SW8082A
PCB-1221	ND	2100	ug/Kg	50	12/04/19	SC	SW8082A
PCB-1232	ND	2100	ug/Kg	50	12/04/19	SC	SW8082A
PCB-1242	ND	2100	ug/Kg	50	12/04/19	SC	SW8082A
PCB-1248	ND	2100	ug/Kg	50	12/04/19	SC	SW8082A
PCB-1254	*	* 2100	ug/Kg	50	12/04/19	SC	SW8082A
PCB-1260	16000	* 2100	ug/Kg	50	12/04/19	SC	SW8082A
PCB-1262	ND	2100	ug/Kg	50	12/04/19	SC	SW8082A
PCB-1268	ND	2100	ug/Kg	50	12/04/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	Diluted Out	%	50	12/04/19	SC	30 - 150 %
% DCBP (Confirmation)	Diluted Out	%	50	12/04/19	SC	30 - 150 %
% TCMX	Diluted Out	%	50	12/04/19	SC	30 - 150 %
% TCMX (Confirmation)	Diluted Out	%	50	12/04/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY

Client ID: CM-1666-RWB-9 @ 14'

Phoenix I.D.: CE69065

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

**PCB Comment:**

\* For PCBs, as per section 11.9.3 of SW846 method 8082, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1254 and 1260. The PCB is quantitated as a timed group and is reported as the Aroclor 1260.

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

11/22/19

### Time

11:55

11/27/19

14:00

## Laboratory Data

SDG ID: GCE69053

Phoenix ID: CE69066

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1667-RWB-10 @ 10'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	91		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1221	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1232	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1242	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1248	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1254	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1260	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1262	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1268	ND	370	ug/Kg	10	12/03/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	63		%	10	12/03/19	SC	30 - 150 %
% DCBP (Confirmation)	59		%	10	12/03/19	SC	30 - 150 %
% TCMX	69		%	10	12/03/19	SC	30 - 150 %
% TCMX (Confirmation)	70		%	10	12/03/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1667-RWB-10 @ 10'

Phoenix I.D.: CE69066

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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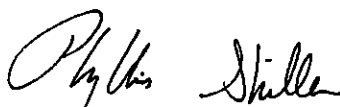
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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**Comments:**

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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
11/22/19	12:00
11/27/19	14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69067

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1668-RWB-10 @ 12'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1221	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1232	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1242	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1248	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1254	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1260	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1262	ND	370	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1268	ND	370	ug/Kg	10	12/03/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	87		%	10	12/03/19	SC	30 - 150 %
% DCBP (Confirmation)	81		%	10	12/03/19	SC	30 - 150 %
% TCMX	83		%	10	12/03/19	SC	30 - 150 %
% TCMX (Confirmation)	82		%	10	12/03/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1668-RWB-10 @ 12'

Phoenix I.D.: CE69067

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
11/22/19	12:11
11/27/19	14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69068

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1669-RWB-10 @ 14'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	87		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	380	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1221	ND	380	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1232	ND	380	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1242	ND	380	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1248	ND	380	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1254	ND	380	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1260	ND	380	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1262	ND	380	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1268	ND	380	ug/Kg	10	12/03/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	91	%	10	12/03/19	SC	30 - 150 %
% DCBP (Confirmation)	86	%	10	12/03/19	SC	30 - 150 %
% TCMX	82	%	10	12/03/19	SC	30 - 150 %
% TCMX (Confirmation)	81	%	10	12/03/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1669-RWB-10 @ 14'

Phoenix I.D.: CE69068

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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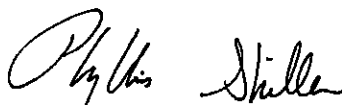
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: SOIL  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

11/22/19 12:25  
11/27/19 14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69069

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1670-RWB-10 @ 20'

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	82		%		11/27/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				12/02/19	MM/ALE	SW3545A

### Polychlorinated Biphenyls

PCB-1016	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1221	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1232	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1242	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1248	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1254	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1260	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1262	ND	390	ug/Kg	10	12/03/19	SC	SW8082A
PCB-1268	ND	390	ug/Kg	10	12/03/19	SC	SW8082A

### QA/QC Surrogates

% DCBP	82		%	10	12/03/19	SC	30 - 150 %
% DCBP (Confirmation)	84		%	10	12/03/19	SC	30 - 150 %
% TCMX	90		%	10	12/03/19	SC	30 - 150 %
% TCMX (Confirmation)	90		%	10	12/03/19	SC	30 - 150 %

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1670-RWB-10 @ 20'

Phoenix I.D.: CE69069

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 05, 2020

FOR: Attn: Mr. Charles Morrison  
CT Dept. of Energy and Env. Protection  
79 Elm Street  
Hartford, CT 06106-5127

### Sample Information

Matrix: GROUND WATER  
Location Code: CT-DEP2  
Rush Request: Standard  
P.O.#: 58132

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

11/21/19  
11/27/19

### Time

9:10  
14:00

### Laboratory Data

SDG ID: GCE69053  
Phoenix ID: CE69070

Project ID: TOWN OF FAIRFIELD DPW PROPERTY  
Client ID: CM-1671-EB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	1	12/04/19	TH	SW6010D
Arsenic	< 0.004	0.004	mg/L	1	12/04/19	TH	SW6010D
Barium	< 0.002	0.002	mg/L	1	12/04/19	TH	SW6010D
Cadmium	< 0.001	0.001	mg/L	1	12/04/19	TH	SW6010D
Chromium	< 0.001	0.001	mg/L	1	12/04/19	TH	SW6010D
Mercury	< 0.0002	0.0002	mg/L	1	12/02/19	RS	SW7470A
Lead	< 0.002	0.002	mg/L	1	12/04/19	TH	SW6010D
Selenium	< 0.010	0.010	mg/L	1	12/04/19	TH	SW6010D
Mercury Digestion	Completed				12/01/19	Q/Q	SW7470A
Total Metals Digestion	Completed				12/03/19	AG	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
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Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Sarah Bell, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

February 05, 2020

### QA/QC Data

SDG I.D.: GCE69053

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 508318 (mg/L), QC Sample No: CE69088 (CE69070)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	107			104	99.2	4.7	80 - 120	20
Comment:													

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

QA/QC Batch 508575 (mg/L), QC Sample No: CE69425 (CE69070)

### ICP Metals - Aqueous

Arsenic	BRL	0.004	<0.004	<0.004	NC	97.7	98.3	0.6	98.4			80 - 120	20
Barium	BRL	0.002	0.010	0.010	0	102	101	1.0	100			80 - 120	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	108	107	0.9	105			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	106	106	0.0	105			80 - 120	20
Lead	BRL	0.002	<0.002	<0.002	NC	96.6	96.9	0.3	97.2			80 - 120	20
Selenium	BRL	0.010	<0.010	<0.010	NC	93.2	94.0	0.9	93.7			80 - 120	20
Silver	BRL	0.001	<0.001	<0.001	NC	99.8	100	0.2	101			80 - 120	20



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Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

February 05, 2020

### QA/QC Data

SDG I.D.: GCE69053

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 508398 (ug/Kg), QC Sample No: CE69064 2X (CE69053, CE69054, CE69055, CE69056, CE69057, CE69058, CE69059, CE69060, CE69061, CE69062, CE69063, CE69064, CE69065, CE69066, CE69067, CE69068, CE69069)										
<u>Polychlorinated Biphenyls - Soil</u>										
PCB-1016	ND	33	76	71	6.8	76	78	2.6	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	73	76	4.0	77	79	2.6	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	82	%	78	85	8.6	79	81	2.5	30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	83	%	81	84	3.6	79	83	4.9	30 - 150	30
% TCMX (Surrogate Rec)	82	%	80	76	5.1	78	80	2.5	30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	79	%	82	78	5.0	82	85	3.6	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director  
February 05, 2020

Wednesday, February 05, 2020

Criteria: CT: GBM

State: CT

## Sample Criteria Exceedances Report

GCE69053 - CT-DEP2

SampleNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
CE69065	\$PCB_SMIR	PCB-1268	CT / Requested PCB RL /	ND	2100	1000	1000	ug/Kg
CE69065	\$PCB_SMIR	PCB-1262	CT / Requested PCB RL /	ND	2100	1000	1000	ug/Kg
CE69065	\$PCB_SMIR	PCB-1260	CT / Requested PCB RL /	16000	2100	1000	1000	ug/Kg
CE69065	\$PCB_SMIR	PCB-1254	CT / Requested PCB RL /	*	2100	1000	1000	ug/Kg
CE69065	\$PCB_SMIR	PCB-1248	CT / Requested PCB RL /	ND	2100	1000	1000	ug/Kg
CE69065	\$PCB_SMIR	PCB-1242	CT / Requested PCB RL /	ND	2100	1000	1000	ug/Kg
CE69065	\$PCB_SMIR	PCB-1232	CT / Requested PCB RL /	ND	2100	1000	1000	ug/Kg
CE69065	\$PCB_SMIR	PCB-1221	CT / Requested PCB RL /	ND	2100	1000	1000	ug/Kg
CE69065	\$PCB_SMIR	PCB-1016	CT / Requested PCB RL /	ND	2100	1000	1000	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



## REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

**Laboratory Name:** Phoenix Environmental Labs, Inc.

**Client:** CT Dept. of Energy and Env. Prot

**Project Location:** TOWN OF FAIRFIELD DPW PROPERT **Project Number:**

**Laboratory Sample ID(s):** CE69053-CE69070

**Sampling Date(s):** 11/20/2019, 11/21/2019,  
11/22/2019

**List RCP Methods Used (e.g., 8260, 8270, et cetera)** 6010, 7470/7471, 8082

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

**Authorized Signature:** Rashmi Makol **Position:** Project Manager

**Printed Name:** Rashmi Makol **Date:** Wednesday, February 05, 2020

**Name of Laboratory** Phoenix Environmental Labs, Inc.

**This certification form is to be used for RCP methods only.**



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

February 05, 2020

SDG I.D.: GCE69053

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### SDG Comments

#### Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list. Only the RCRA 8 Metals are reported as requested on the chain of custody.

### Mercury Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

#### Instrument:

**MERLIN 12/02/19 08:39**

Rick Schweitzer, Chemist 12/02/19

CE69070

The method preparation blank, ICB, and CCBs contain all of the acids and reagents as the samples.

The initial calibration met all criteria including a standard run at or below the reporting level.

All calibration verification standards (ICV, CCV) met criteria.

All calibration blank verification standards (ICB, CCB) met criteria.

The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

#### QC (Batch Specific):

**Batch 508318 (CE69088)**

CE69070

All LCS recoveries were within 80 - 120 with the following exceptions: None.

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

### ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

#### Instrument:

**BLUE 12/04/19 08:45**

Tina Hall, Chemist 12/04/19

CE69070

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.

The continuing calibration blanks were less than the reporting level for the elements reported.

The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria. The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

#### QC (Batch Specific):

**Batch 508575 (CE69425)**

CE69070





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Certification Report

February 05, 2020

SDG I.D.: GCE69053

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### ICP Metals Narration

All LCS recoveries were within 80 - 120 with the following exceptions: None.  
All LCSD recoveries were within 80 - 120 with the following exceptions: None.  
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

#### Instrument:

**AU-ECD1 12/04/19-1** Saadia Chudary, Chemist 12/04/19

CE69056 (10X), CE69059 (10X), CE69060 (10X), CE69062 (10X), CE69063 (10X), CE69064 (10X)

The initial calibration (PC1125AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC1125BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

**AU-ECD24 12/03/19-1** Saadia Chudary, Chemist 12/03/19

CE69058 (10X), CE69067 (10X), CE69068 (10X)

The initial calibration (PC1125AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC1125BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

**AU-ECD29 12/03/19-1** Saadia Chudary, Chemist 12/03/19

CE69053 (10X), CE69054 (10X), CE69055 (10X), CE69057 (10X), CE69061 (10X), CE69066 (10X), CE69069 (10X)

The initial calibration (PC1127AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC1127BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

**AU-ECD6 12/04/19-1** Saadia Chudary, Chemist 12/04/19

CE69065 (50X)

The initial calibration (PC1126AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC1126BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

#### QC (Site Specific):

##### Batch 508398 (CE69064)

CE69053, CE69054, CE69055, CE69056, CE69057, CE69058, CE69059, CE69060, CE69061, CE69062, CE69063, CE69064, CE69065, CE69066, CE69067, CE69068, CE69069

All LCS recoveries were within 40 - 140 with the following exceptions: None.  
All LCSD recoveries were within 40 - 140 with the following exceptions: None.  
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.  
All MS recoveries were within 40 - 140 with the following exceptions: None.  
All MSD recoveries were within 40 - 140 with the following exceptions: None.  
All MS/MSD RPDs were less than 30% with the following exceptions: None.

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### Temperature Narration

The samples were received at 2.4C with cooling initiated.  
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: info@phoenixlabs.com Fax (860) 645-0823  
Client Services (860) 645-8726

Coolant: Yes ☒ No ☐  
Coolant: IPK ☐ ICE ☐  
Temp: 69 Pg of

Data Delivery/Contact Options:

Fax: ☐  
Phone: 860 424 3491  
Email: charles.morrison@dt.gov

Project P.O.: 58132

Project: Town of Fairfield DPW Property

Report to: Charles Morrison

Invoice to: Charles Morrison

QUOTE #

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [Signature] Date: 11/27/19

Matrix Code: GW=Ground Water SW=Surface Water WW=Waste Water  
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe Oil=L=Liquid  
B=Bulk

Analysis Request

PHOENIX USE ONLY	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
69053	CM-1656-RWB-1@20'	S	11/20/2019	10:30am
69054	CM-1657-RBW-2@20'	S	11/20/2019	11:40am
69055	CM-1658-RBW-3@3'	S	11/20/2019	12:15pm
69056	CM-1659-RWB-4@12'	S	11/20/2019	2:29pm
69057	CM-1660-RWB-5@10'	S	11/21/2019	9:05am
69058	CM-1661-RWB-6@6'	S	11/21/2019	10:44am
69059	CM-1662-SS1@3'	SE	11/21/2019	11:20am
69060	CM-1662b-RWB-7@12'	S	11/21/2019	2:10pm
69061	CM-1662a-RWB-7@20'	S	11/21/2019	2:15pm
69062	CM-1663-RWB-8@12'	S	11/22/2019	9:00am
69063	CM-1664-RWB-8@20'	S	11/22/2019	9:20am
69064	CM-1665-RWB-9@12'	S	11/22/2019	10:25am

Relinquished by: [Signature] Accepted by: [Signature]  
Date: 11/27/19 Time: 11:00 AM

Comments, Special Requirements or Regulations:

Custody Seals:

Turnaround:  
☐ 1 Day\*  
☐ 2 Days\*  
☐ 3 Days\*  
☒ Standard  
☐ Other

\* SURCHARGE APPLIES

State where samples were collected: CT

\* SURCHARGE APPLIES

MA	CT	RI	Time
<input type="checkbox"/> MCP Certification	<input checked="" type="checkbox"/> RCP Cert	<input checked="" type="checkbox"/> Direct Exposure (Residential)	
<input type="checkbox"/> GW-1	<input type="checkbox"/> GW Protection	<input type="checkbox"/> GW	
<input type="checkbox"/> GW-2	<input type="checkbox"/> SW Protection	<input type="checkbox"/> Other	
<input type="checkbox"/> GW-3	<input type="checkbox"/> GA Mobility		
<input type="checkbox"/> S-1	<input checked="" type="checkbox"/> GB Mobility		
<input type="checkbox"/> S-2	<input type="checkbox"/> Residential DEC		
<input type="checkbox"/> S-3	<input type="checkbox"/> I/C DEC		
<input type="checkbox"/> MWRA eSMART	<input type="checkbox"/> Other		

Data Format: ☒ Excel ☒ PDF ☐ GIS/Key ☐ EQUIS ☐ Other

Data Package: ☐ Tier II Checklist ☐ Full Data Package\* ☐ Phoenix Std Report ☐ Other

## Temp 1.16 Pg of

**Data Delivery/Contact Options:**

☐ Fax: \_\_\_\_\_

☐ Phone: 860 424 3491

☐ Fax: \_\_\_\_\_  
☐ Phone: 860 424 3491  
☐ Email: [charles.morrison@ct.gov](mailto:charles.morrison@ct.gov)

Project P.O.: 58132

***This section MUST be  
completed with  
Bottle Quantities.***

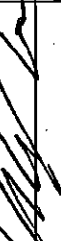

**This section *MUST* be completed with Bottle Quantities.**

Client Sample - Information - Identification

Sampler's Signature 

Matrix Code: WW=Drinking Water GW=Ground Water SW=Surface Water WW=Water Water  
 RW=Raw Water SL=Sludge S=Soil SD=Solid W=Wipe Oil=Oil  
 Bulk L=Liquid

[illegible]

Relinquished by:	Accepted by:	Date:	Time:	RI	CT	MA	Data Format
		11/27/15	14:22	<input type="checkbox"/> Direct Exposure (Residential) <input type="checkbox"/> GW <input type="checkbox"/> Other	<input checked="" type="checkbox"/> RCP Cert <input type="checkbox"/> GW Protection <input type="checkbox"/> SW Protection <input type="checkbox"/> GA Mobility <input checked="" type="checkbox"/> GB Mobility <input type="checkbox"/> Residential DEC <input type="checkbox"/> I/C DEC <input type="checkbox"/> Other	<input type="checkbox"/> MCP Certification <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> MWRA eSMART <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Excel <input checked="" type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> Other <b>Data Package</b> <input type="checkbox"/> Tier II Checklist <input type="checkbox"/> Full Data Package* <input type="checkbox"/> Phoenix Std Report <input type="checkbox"/> Other
Comments, Special Requirements or Regulations:  Custody Seals:				State where samples were collected: CT			
Turnaround: <input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other				* SURCHARGE APPLIES			

## **APPENDIX B**



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4135

Department of Analytical Chemistry  
123 Huntington Street  
New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by: ***Janet Kwiatkowski***

Sample Received : 22-Nov-19

Analysis Completed : 26-Dec-19

Sample Number: ***900PCB-19***

Sample Type: ***Debris***

Description: ***~2.5 ft of plastic coated wire was collected from RWB-1 @ 12.5 ft into zip lock bag and sealed***

***Site: Town of Fairfield Reclamation Yard***

***1 Richard White Way, Fairfield***

***CT***

***Date Collected: November 20, 2019***

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

#### Analyte Found

#### Amount

#### Unit

#### Comment

Trace PCB detected

64% of decachlorobiphenyl recovered.

**Sample Number: 900PCB-19**

Significant matrix Interferences Inhibits quantitation of Aroclor using electron capture detector, PCB was confirmed as present using GC-MS-MS. Detection limit 0.06 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 24-Dec-19, 03:14:59

2019.12.26

*Jason C. White*

14:40:02

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

**Jason C. White**  
**Head, Department of Analytical Chemistry**  
**(Report is not valid unless signed, and report issued date is next to signature)**

Signature indicates end of sample 900PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4136

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font.*)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by : *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: ***901PCB-19***

Sample Type: ***Debris***

Description: *~1 ft x 1" of white plastic piece from RWB-1 @ 18 ft 5 in into Zip lock bag and sealed.*

*Site: Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

***CT***

*Date Collected: November 20, 2019*

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
No PCB detected			42% of decachlorobiphenyl recovered.

**Sample Number: 901PCB-19**

Detection limit 0.14 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 30-Nov-19, 03:06:55

2019.12.24

10:29:26

-05'00'

*Jason C. White*

Jason C. White

Head, Department of Analytical Chemistry

(Report is not valid unless signed, and report  
issued date is next to signature)

Signature indicates end of sample 901PCB-19 report.

The results listed in this report  
pertain only to the samples as  
provided to the lab by the customer.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4137

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in Italic font.)

Final Report to: **Department of Energy and Environmental Protection**

Agency Division: **PCB Program; 79 Elm Street Hartford, CT 06106**

Sample was delivered by: **Janet Kwiatkowski**

Sample Received : 22-Nov-19

Analysis Completed : 26-Dec-19

Sample Number: **902PCB-19**

Sample Type: **Debris**

Description: **~8" piece of caulk was collected from RWB-1 @ 20 ft into ziplock bag and sealed.**

Site: **Town of Fairfield Reclamation Yard**

**1 Richard White Way, Fairfield**

**CT**

Date Collected: **November 20, 2019**

Analysis Requirement : **PCB**

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	= 2.8	ug/g	47% of decachlorobiphenyl recovered.

Sample Number: 902PCB-19

Detection limit 0.17 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 24-Dec-19, 04:20:09

2019.12.26

*Jason C. White*

14:40:18

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 902PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4138

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in Italic font.)

Final Report to: **Department of Energy and Environmental Protection**

Agency Division: **PCB Program; 79 Elm Street Hartford, CT 06106**

Sample was delivered by : *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: **903PCB-19**

Sample Type: **Debris**

Description: *~2" x 2" piece of cloth was collected from RWB-1 @ 20 ft into ziplock bag and sealed.*

*Site: Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

**CT**

*Date Collected: November 20, 2019*

Analysis Requirement : **PCB**

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
No PCB detected			54% of decachlorobiphenyl recovered.

**Sample Number: 903PCB-19**

Detection limit 0.29 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 30-Nov-19, 05:17:14

2019.12.24

*Jason C. White*

10:29:46

-05'00'

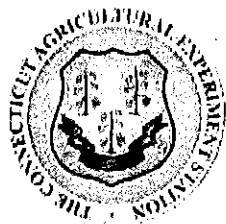
The results listed in this report pertain only to the samples as provided to the lab by the customer.

**Jason C. White**

**Head, Department of Analytical Chemistry**  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 903PCB-19 report.





# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4139

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by : ***Janet Kwiatkowski***

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: ***904PCB-19***

Sample Type: ***Debris***

Description: ***~10" x 4" piece of white plastic from 10 ft south of RWB-2 surface into ziplock bag and sealed.***

Site: ***Town of Fairfield Reclamation Yard***

***1 Richard White Way, Fairfield***

***CT***

Date Collected: ***November 20, 2019***

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	2.0	ug/g	55% of decachlorobiphenyl recovered.

Sample Number: ***904PCB-19***

Matrix Interferes with quantitation of Aroclor using electron capture detector. Detection limit 0.82 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank.  
Analyzed: 18-Dec-19, 01:38:11

2019.12.24

*Jason C. White*

13:00:43

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report  
issued date is next to signature)

Signature Indicates end of sample 904PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4140

Department of Analytical Chemistry  
123 Huntington Street  
New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by : ***Janet Kwiatkowski***

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: ***905PCB-19***

Sample Type: ***Debris***

Description: ***~3" x 5" brick was collected from 20 ft south of RWB-3 into ziplock bag and sealed.***

***Site: Town of Fairfield Reclamation Yard***

***1 Richard White Way, Fairfield***

***CT***

***Date Collected: November 20, 2019***

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
No PCB detected			176% of decachlorobiphenyl recovered.

**Sample Number: 905PCB-19**

High recovery of decachlorobiphenyl likely due to matrix Interferences. Detection limit 0.39 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank.  
Analyzed: 05-Dec-19, 00:54:34

2019.12.24

10:30:02

-05'00'

*Jason C. White*

The results listed in this report  
pertain only to the samples as  
provided to the lab by the customer.

**Jason C. White**  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report  
issued date is next to signature)

Signature Indicates end of sample 905PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4141

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by: *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 26-Dec-19

Sample Number: **906PCB-19**

Sample Type: ***Debris***

Description: *~1 ft of plastic coated wire from RWB-4 @ 5 ft into ziplock bag and sealed.*

Site: *Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

*CT*

Date Collected: *November 20, 2019*

Analysis Requirement : **PCB**

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	= 1.2	ug/g	85% of decachlorobiphenyl recovered.

Sample Number: 906PCB-19

Matrix interferes with quantitation of Aroclor using electron capture detector. Detection limit 0.24 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank.  
Analyzed: 30-Nov-19, 07:27:35

2019.12.26

14:40:35

-05'00'

*Jason C. White*

Jason C. White

Head, Department of Analytical Chemistry

(Report is not valid unless signed, and report  
issued date is next to signature)

The results listed in this report  
pertain only to the samples as  
provided to the lab by the customer.

Signature indicates end of sample 906PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4142

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: **Department of Energy and Environmental Protection**

Agency Division: **PCB Program; 79 Elm Street Hartford, CT 06106**

Sample was delivered by : *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 26-Dec-19

Sample Number: **907PCB-19**

Sample Type: **Debris**

Description: *~4" x 8" piece of material debris from RWB-4 @ 17 ft into ziplock bag and sealed.*

*Site: Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

**CT**

*Date Collected: November 20, 2019*

Analysis Requirement : **PCB**

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	= 3.2	ug/g	41% of decachlorobiphenyl recovered.

**Sample Number: 907PCB-19**

Detection limit 0.11 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 24-Dec-19, 05:25:21

2019.12.26

14:40:49

-05'00'

*Jason C. White*

**Jason C. White**

**Head, Department of Analytical Chemistry**  
(Report is not valid unless signed, and report  
issued date is next to signature)

Signature indicates end of sample 907PCB-19 report.

The results listed in this report  
pertain only to the samples as  
provided to the lab by the customer.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4143

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in Italic font.)

Final Report to: **Department of Energy and Environmental Protection**

Agency Division: **PCB Program; 79 Elm Street Hartford, CT 06106**

Sample was delivered by: *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: **908PCB-19**

Sample Type: **Debris**

Description: *~5" x 1" piece of rubber with wire from 20 ft west of RWB-4 surface into ziplock bag and sealed.*

Site: *Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

**CT**

Date Collected: *November 20, 2019*

Analysis Requirement : **PCB**

Test Method: 3540C, 3620, 8082A

### Results:

#### Analyte Found

PCB 1254

#### Amount

0.13 ug/g

#### Unit

#### Comment

59% of decachlorobiphenyl recovered.

Sample Number: 908PCB-19

Detection limit 0.13 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 30-Nov-19, 09:37:57

*Jason C. White*

2019.12.24

13:01:08 -05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 908PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4144

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by : ***Janet Kwiatkowski***

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: ***909PCB-19***

Sample Type: ***Debris***

Description: ***~2 ft of debris with wire from RWB-5 @ 14 ft into ziplock bag and sealed.***

Site: ***Town of Fairfield Reclamation Yard***

***1 Richard White Way, Fairfield***

***CT***

Date Collected: ***November 20, 2019***

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	0.22	ug/g	65% of decachlorobiphenyl recovered.

Sample Number: ***909PCB-19***

Detection limit 0.09 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 30-Nov-19, 10:42:59

2019.12.24

13:01:22

-05'00'

*Jason C. White*

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 909PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4156

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font.*)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by : *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 26-Dec-19

Sample Number: ***910PCB-19***

Sample Type: ***Debris***

Description: ***~10" piece of rubber from RWB-7 @ 9 ft into ziploc bag and sealed***

*Site: Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

*CT*

*Date Collected: November 21, 2019*

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	= 2.8	ug/g	102% of decachlorobiphenyl recovered.

**Sample Number: 910PCB-19**

Sample appears to contain a mixture of PCB 1254 and 1260. Detection limit 0.13 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 24-Dec-19, 06:30:23

2019.12.26

*Jason C. White*

14:41:04

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 910PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4157

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by : *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: ***911PCB-19***

Sample Type: ***Debris***

Description: *~2 ft of red plastic coated wire at RWB-8 @ 4 ft was placed into ziploc bag and sealed*

*Site: Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

***CT***

*Date Collected: November 21, 2019*

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
No PCB detected			86% of decachlorobiphenyl recovered.

**Sample Number: 911PCB-19**

Detection limit 0.28 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 05-Dec-19, 01:59:42.

2019.12.24

*Jason C. White*

10:30:16

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 911PCB-19 report.





# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4158

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by: *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 26-Dec-19

Sample Number: ***912PCB-19***

Sample Type: ***Debris***

Description: *~1 ft x 1" of material RWB-9 @ 4 ft into ziploc bag and sealed*

*Site: Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

*CT*

*Date Collected: November 21, 2019*

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	= 5.1	ug/g	83% of dechlorobiphenyl recovered.

**Sample Number: 912PCB-19**

Detection limit 0.58 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 24-Dec-19, 09:45:39

2019.12.26

*Jason C. White*

14:41:23

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 912PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4159

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by : ***Janet Kwiatkowski***

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: ***913PCB-19***

Sample Type: ***Debris***

Description: ***2 pieces of plastic coated wire from RWB-9 @ 4 ft into ziploc bag and sealed***

***Site: Town of Fairfield Reclamation Yard***

***1 Richard White Way, Fairfield***

***CT***

***Date Collected: November 21, 2019***

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
No PCB detected			62% of decachlorobiphenyl recovered.

**Sample Number: 913PCB-19**

Detection limit 0.16 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 05-Dec-19, 04:10:07

*Jason C. White*

2019.12.24

13:01:36 -05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 913PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4160

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font.*)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by: *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: ***914PCB-19***

Sample Type: ***Debris***

Description: *~3" rock was collected from RWB-9 @ 6 ft into ziploc bag and sealed*

*Site: Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

*CT*

*Date Collected: November 21, 2019*

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

#### Analyte Found

No PCB detected

#### Amount

#### Unit

#### Comment

87% of decachlorobiphenyl recovered.

Sample Number: 914PCB-19

Detection limit 1.64 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 05-Dec-19, 05:15:16

2019.12.24

*Jason C. White*

10:30:31

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White

Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 914PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4161

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by: ***Janet Kwiatkowski***

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: ***915PCB-19***

Sample Type: ***Debris***

Description: ***~5" rock was collected from RWB-9 @ 12 ft into ziploc bag and sealed***

***Site: Town of Fairfield Reclamation Yard***

***1 Richard White Way, Fairfield***

***CT***

***Date Collected: November 21, 2019***

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	0.71	ug/g	81% of decachlorobiphenyl recovered.

**Sample Number: 915PCB-19**

Matrix interferes with quantitation of Aroclor using electron capture detector. Probable mixture of aroclors 1260 and 1254. Detection limit 0.32 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed 05-Dec-19, 06:20:31:

2019.12.24

*Jason C. White*

13:01:56

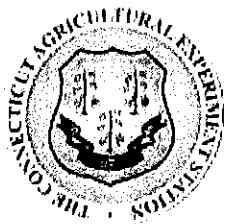
-05'00'

Jason C. White

Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report  
issued date is next to signature)

Signature indicates end of sample 915PCB-19 report.

The results listed in this report  
pertain only to the samples as  
provided to the lab by the customer.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4162

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in Italic font.)

Final Report to: **Department of Energy and Environmental Protection**

Agency Division: **PCB Program; 79 Elm Street Hartford, CT 06106**

Sample was delivered by: **Janet Kwiatkowski**

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: **916PCB-19**

Sample Type: **Debris**

Description: **3 pieces of rubber coated copper wire from RWB-9 @ 16 ft into ziploc bag and sealed**

Site: **Town of Fairfield Reclamation Yard**

**1 Richard White Way, Fairfield**

**CT**

Date Collected: **November 21, 2019**

Analysis Requirement : **PCB**

Test Method: **3540C, 3620, 8082A**

### Results:

#### Analyte Found

No PCB detected

#### Amount

#### Unit

#### Comment

63% of decachlorobiphenyl recovered.

Sample Number: **916PCB-19**

Detection limit 0.25 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 05-Dec-19, 07:25:36

2019.12.24

10:30:45

-05'00'

*Jason C. White*

Jason C. White

Head, Department of Analytical Chemistry

(Report is not valid unless signed, and report  
issued date is next to signature)

Signature indicates end of sample 916PCB-19 report.

The results listed in this report  
pertain only to the samples as  
provided to the lab by the customer.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4163

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by : *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 26-Dec-19

Sample Number: ***917PCB-19***

Sample Type: ***Debris***

Description: ***3" of debris from RWB-9 @ 17 ft into ziploc bag and sealed***

*Site: Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

***CT***

*Date Collected: November 21, 2019*

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	= 32	ug/g	308% of decachlorobiphenyl recovered.

**Sample Number: 917PCB-19**

Sample appears to contain a mixture of PCB 1242, PCB 1254 and PCB 1260 as well as decachlorobiphenyl. Detection limit 0.11 ug/g in amount of sample analyzed.

Laboratory blank: soxhlet blank. Analyzed: 24-Dec-19, 13:01:10

2019.12.26

*Jason C. White*

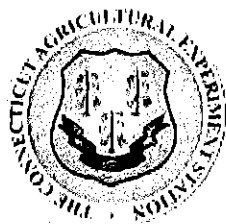
14:41:41

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 917PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4164

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in Italic font.)

Final Report to: **Department of Energy and Environmental Protection**

Agency Division: **PCB Program; 79 Elm Street Hartford, CT 06106**

Sample was delivered by : *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: **918PCB-19**

Sample Type: **Debris**

Description: *~1 ft piece of debris from RWB-9 @ 19 ft into ziploc bag and sealed*

*Site: Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

**CT**

*Date Collected: November 21, 2019*

Analysis Requirement : **PCB**

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
No PCB detected			48% of decachlorobiphenyl recovered.

Sample Number: 918PCB-19

Detection limit 0.19 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 05-Dec-19, 09:36:00

*Jason C. White*

2019.12.24

10:30:59 -05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 918PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4165

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by : *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 26-Dec-19

Sample Number: ***919PCB-19***

Sample Type: ***Debris***

Description: *~1 ft of plastic coated wire from RWB-9 @ 20 ft into ziploc bag and sealed*

*Site: Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

*CT*

*Date Collected: November 21, 2019*

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	230	ug/g	335% of decachlorobiphenyl recovered.

**Sample Number: 919PCB-19**

Sample appears to contain a mixture of PCB 1254, PCB 1242 and decachlorobiphenyl. Detection limit 0.95 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 24-Dec-19, 11:55:58

2019.12.26

*Jason C. White*

14:42:03

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 919PCB-19 report.





# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4166

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by: ***Janet Kwiatkowski***

Sample Received : 22-Nov-19

Analysis Completed : 26-Dec-19

Sample Number: ***920PCB-19***

Sample Type: ***Debris***

Description: ***~6" piece of concrete from RWB-10 @ 4 ft into ziploc bag and sealed***

Site: ***Town of Fairfield Reclamation Yard***

***1 Richard White Way, Fairfield***

***CT***

Date Collected: ***November 21, 2019***

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	= 5.8		102% of decachlorobiphenyl recovered.

Sample Number: ***920PCB-19***

Detection limit 0.93 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 18-Dec-19, 03:48:20

2019.12.26

*Jason C. White*

14:42:22

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 920PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4167

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by : ***Janet Kwiatkowski***

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: ***921PCB-19***

Sample Type: ***Debris***

Description: ***~6" piece of material from RWB-10 into ziploc bag and sealed***

***Site: Town of Fairfield Reclamation Yard***

***1 Richard White Way, Fairfield***

***CT***

***Date Collected: November 21, 2019***

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
No PCB detected			75% of decachlorobiphenyl recovered.

**Sample Number: 921PCB-19**

Detection limit 0.80 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 18-Dec-19, 04:53:26

2019.12.24

*Jason C. White*

10:31:16

-05'00'

Jason C. White

Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report  
issued date is next to signature)

Signature indicates end of sample 921PCB-19 report.

The results listed in this report  
pertain only to the samples as  
provided to the lab by the customer.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4168

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by: *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 26-Dec-19

Sample Number: ***922PCB-19***

Sample Type: ***Debris***

Description: *~8" piece of rubber from RWB-10 @ 8 ft into ziploc bag and sealed*

*Site: Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

*CT*

*Date Collected: November 21, 2019*

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	= 5.2	ug/g	87% of decachlorobiphenyl recovered.

Sample Number: ***922PCB-19***

Detection limit 0.28 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 24-Dec-19, 10:50:49

2019.12.26

14:42:41

-05'00'

*Jason C. White*

Jason C. White

Head, Department of Analytical Chemistry

(Report is not valid unless signed, and report

issued date is next to signature)

Signature indicates end of sample 922PCB-19 report.

The results listed in this report pertain only to the samples as provided to the lab by the customer.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4169

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font.*)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by: ***Janet Kwiatkowski***

Sample Received : 22-Nov-19

Analysis Completed : 26-Dec-19

Sample Number: ***923PCB-19***

Sample Type: ***Debris***

Description: ***~6" wire cord with white plastic prong from RWB-10 @ 12 ft into ziploc bag and sealed***

***Site: Town of Fairfield Reclamation Yard***

***1 Richard White Way, Fairfield***

***CT***

***Date Collected: November 21, 2019***

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	= 0.26		71% of decachlorobiphenyl recovered.

**Sample Number: 923PCB-19**

Detection limit 0.06 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 18-Dec-19, 07:03:49

2019.12.26

14:43:03

-05'00'

*Jason C. White*

Jason C. White

Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report  
issued date is next to signature)

Signature Indicates end of sample 923PCB-19 report.

The results listed in this report  
pertain only to the samples as  
provided to the lab by the customer.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4170

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by : *Janet Kwiatkowski*

Sample Received : 22-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: ***924PCB-19***

Sample Type: ***Debris***

Description: *~4" piece of white rubber from RWB-10 @ 14 ft into ziploc bag and sealed*

Site: *Town of Fairfield Reclamation Yard*

*1 Richard White Way, Fairfield*

*CT*

Date Collected: *November 21, 2019*

Analysis Requirement : ***PCB***

Test Method: 3540C, 3620, 8082A

### Results:

Analyte Found	Amount	Unit	Comment
PCB 1254	3.4	ug/g	80% of decachlorobiphenyl recovered.

Sample Number: ***924PCB-19***

Matrix Interferes with quantitation of Aroclor using electron capture detector. Detection limit 0.88 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank.  
Analyzed: 18-Dec-19, 08:08:49

2019.12.24

*Jason C. White*

13:02:12

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White  
Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 924PCB-19 report.



# The Connecticut Agricultural Experiment Station

## Title: Test Report#19.4175

Department of Analytical Chemistry

123 Huntington Street

New Haven, Connecticut 06511

(Data provided by customer are indicated in *Italic font*.)

Final Report to: ***Department of Energy and Environmental Protection***

Agency Division: ***PCB Program; 79 Elm Street Hartford, CT 06106***

Sample was delivered by: ***Janet Kwiatkowski***

Sample Received : 25-Nov-19

Analysis Completed : 24-Dec-19

Sample Number: ***925PCB-19***

Sample Type: ***Debris***

Description: ***~6" x 2" piece of debris from trench @ 12 ft into ziploc bag and sealed***

Site: ***Town of Fairfield Reclamation Yard***

***1 Richard White Way, Fairfield***

***CT***

Date Collected: ***November 22, 2019***

Analysis Requirement : ***PCBs***

Test Method: 3540C, 3620, 8082A

### Results:

#### Analyte Found

No PCB detected

#### Amount

#### Unit

#### Comment

44% of decachlorobiphenyl recovered.

Sample Number: ***925PCB-19***

Detection limit 0.73 ug/g in amount of sample analyzed. Laboratory blank: soxhlet blank. Analyzed: 18-Dec-19, 09:13:55

2019.12.24

*Jason C. White*

10:31:35

-05'00'

The results listed in this report pertain only to the samples as provided to the lab by the customer.

Jason C. White

Head, Department of Analytical Chemistry  
(Report is not valid unless signed, and report issued date is next to signature)

Signature indicates end of sample 925PCB-19 report.